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Altri autori (Persone)	CaoJiannong
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Routing -- Topology Control Made Practical: Increasing the Performance of Source Routing -- Routing Transient Traffic in Mobile Ad Hoc Networks -- Comparison of Two Self-organization and Hierarchical Routing Protocols for Ad Hoc Networks -- Location-Based Multicast Routing Protocol for Mobile Ad Hoc Networks -- Skipping Face Routing with Guaranteed Message Delivery for Wireless Ad Hoc and Sensor Networks -- An Anti-void Geographic Routing Algorithm for Wireless Sensor Networks -- A Correctness Proof of the DSR Protocol -- Scalable Proxy Routing in Multi-hop Cellular Networks --

An On-Demand Routing Protocol in Ad Hoc Network Using Label Switching -- Source-Based Multiple Gateway Selection Routing Protocol in Ad-Hoc Networks -- Smart Path-Finding with Local Information in a Sensory Field -- An Efficient Fibonacci Series Based Hierarchical Application-Layer Multicast Protocol -- Maximizing the Probability of Delivery of Multipoint Relay Broadcast Protocol in Wireless Ad Hoc Networks with a Realistic Physical Layer -- On Improving Wireless Broadcast Reliability of Sensor Networks Using Erasure Codes -- Cost-Aware Route Selection in Wireless Mesh Networks -- Novel Route Metric for High-Throughput in Multi-rate Wireless Ad Hoc Networks -- Protocol -- Joint Power Control and Proportional Fair Scheduling with Minimum Rate Constraints in Cluster Based MANET -- Network Coding Approach: Intra-cluster Information Exchange in Wireless Sensor Networks -- FNSCSDP: A Forward Node Selection Based Cross-Layer Service Discovery Protocol for MANETs -- Service Discovery Protocols for MANETs: A Survey -- A BDD-Based Heuristic Algorithm for Design of Reliable Networks with Minimal Cost -- Coverage-Enhancing Algorithm for Directional Sensor Networks -- Sensor Scheduling for k-Coverage in Wireless Sensor Networks -- ANew Media Access Control Protocol for Ad-Hoc Wireless Sensor Networks -- Performance Evaluation of Binary Negative-Exponential Backoff Algorithm in IEEE 802.11 WLAN -- An Application-Aware Event-Oriented MAC Protocol in Multimodality Wireless Sensor Networks -- Monte-Carlo Localization for Mobile Wireless Sensor Networks -- Novel Sink-Oriented Approach for Efficient Sink Mobility Support in Wireless Sensor Networks -- Reduction of Signaling Cost and Handoff Latency with VMAPs in HMIPv6 -- Adaptive Geographically Bound Mobile Agents -- Gradient-Driven Target Acquisition in Mobile Wireless Sensor Networks -- Performance Study of Robust Data Transfer Protocol for VANETs -- A Multi-layer Approach to Support Multimedia Communication in Mesh Networks with QoS -- Security -- Trust Extended Dynamic Security Model and Its Application in Network -- An Improvement of Remote User Authentication Scheme Using Smart Cards -- A Secure Architecture for Mobile Ad Hoc Networks -- Interlayer Attacks in Mobile Ad Hoc Networks -- Mutual-Authentication Mechanism for RFID Systems -- Achieving Anonymity in Mobile Ad Hoc Networks Using Fuzzy Position Information -- Proxy Signature Without Random Oracles -- Building Hierarchical Public Key Infrastructures in Mobile Ad-Hoc Networks -- Key Exchange in 802.15.4 Networks and Its Performance Implications -- An Authenticated Key Agreement Protocol for Mobile Ad Hoc Networks -- Efficient ID-Based Authenticated Group Key Agreement from Bilinear Pairings -- Efficient Augmented Password-Based Encrypted Key Exchange Protocol -- Secure Relative Location Determination in Vehicular Network -- Energy Efficiency -- A Local-Control Algorithm to Prolong the Lifetime of Wireless Ad Hoc Networks -- Exploiting Local Knowledge to Enhance Energy-Efficient Geographic Routing -- A Graph-Center-Based Scheme for Energy-Efficient Data Collection in Wireless Sensor Networks -- An Energy Efficient Event Processing Algorithm for Wireless Sensor Networks -- A Novel Energy-Efficient Backbone for Sensor Networks -- An Energy-Balanced Strategy for Clustering Protocols in Wireless Sensor Networks -- QoS Topology Control with Minimal Total Energy Cost in Ad Hoc Wireless Networks -- An Energy Efficient TDMA Protocol for Event Driven Applications in Wireless Sensor Networks -- Data Processing -- Self-organization Data Gathering for Wireless Sensor Networks -- Continuous Monitoring of kNN Queries in Wireless Sensor Networks -- History-Sensitive Based Approach to Optimizing Top-k Queries in Sensor Networks -- Data Replication in Mobile Ad Hoc Networks -- Zone-Based Replication

Scheme for Mobile Ad Hoc Networks Using Cross-Layer Design -- Latency of Event Reporting in Duty-Cycled Wireless Sensor Networks -- Deployment -- Improving Bluetooth EDR Data Throughput Using FEC and Interleaving -- Information-Accuracy-Aware Jointly Sensing Nodes Selection in Wireless Sensor Networks -- Supporting Application-Oriented Kernel Functionality for Resource Constrained Wireless Sensor Nodes -- XMAS: An eXtraordinary Memory Allocation Scheme for Resource-Constrained Sensor Operating Systems -- An Adaptive Distributed Resource Allocation Scheme for Sensor Networks -- Sequential Approach for Type-Based Detection in Wireless Sensor Networks -- System Support for Cross-Layering in Sensor Network Stack -- A Topology Controllable Testing Environment for Mobile Ad Hoc Network Software -- Microcosm: A Low Cost 3-D Wireless Sensor Test-Bed Within a Controllable Environment -- System-Level WSN Application Software Test Using Multi-platform Hardware Abstraction Layers -- An Integrated Self-deployment and Coverage Maintenance Scheme for Mobile Sensor Networks -- A Power-Aware Peer-to-Peer System for Ad-Hoc Networks -- Load Balancing by Distributed Optimisation in Ad Hoc Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Conference on Mobile Ad-hoc and Sensor Networks, MSN 2006, held in Hong Kong, China in December 2006. The 73 revised full papers address all current issues in mobile ad hoc and sensor networks and are organized in topical sections on routing, network protocols, security, energy efficiency, data processing, and deployment.
